

Table B-1. Error Statistics of the Forecasted Annual Total US Resident Population: 1947 to 1999

[Resident population]

Forecast Periods	Individual Series (By Base Year)																Multiple Series	
	1947	1949	1953	1955	1957	1963	1966	1969	1970	1972	1974	1976	1982	1986	1991	1992		
Five year horizon																		
ME	(2,653,600)	(1,412,200)	(1,930,400)	(2,067,000)	(762,400)	542,400	1,175,600	(122,400)	(107,200)	(1,340,500)	(3,517,600)	(4,802,940)	126,786	646,645	105,850	676,293	(97,464)	(1,203,381)
MPE (%)	(1.45)	(0.88)	(1.13)	(1.17)	(0.42)	0.27	0.58	(0.06)	(0.05)	(0.62)	(1.59)	(2.13)	0.05	0.26	0.04	0.26	(0.04)	(0.65)
MAPE (%)	1.72	0.88	1.13	1.17	0.42	0.28	0.58	0.13	0.29	0.62	1.59	2.13	0.07	0.29	0.04	0.26	0.05	0.97
MdAPE (%)	1.57	0.76	1.09	1.21	0.43	0.20	0.68	0.10	0.34	0.62	1.59	2.18	0.07	0.37	0.03	0.28	0.03	0.58
RMSPE (%)	1.92	1.03	1.21	1.22	0.42	0.38	0.62	0.14	0.31	0.62	1.62	2.15	0.07	0.32	0.06	0.28	0.06	1.33
RMSE	2,984,054	1,664,135	2,078,416	2,151,035	763,120	758,642	1,268,742	286,784	655,490	1,341,315	3,579,455	4,872,272	178,658	793,121	147,287	747,607	171,484	2,557,152
Ten year horizon																		
ME	(4,201,500)	(3,294,100)	(2,976,726)	(52,400)	1,790,000	2,824,800	591,500	1,536,554	(1,199,654)	(4,192,503)	(5,249,307)	(173,598)	(818,134)					(1,176,976)
MPE (%)	(2.46)	(1.83)	(1.61)	(0.05)	0.87	1.33	0.27	0.68	(0.54)	(1.84)	(2.27)	(0.07)	(0.30)					(0.60)
MAPE (%)	2.46	1.83	1.61	0.45	0.87	1.33	0.36	0.85	0.54	1.84	2.27	0.16	0.58					2.04
MdAPE (%)	2.15	1.86	1.72	0.41	0.87	0.96	0.22	0.60	0.58	1.96	2.37	0.10	0.42					2.02
RMSPE (%)	3.04	2.00	1.69	0.53	1.10	1.62	0.46	1.07	0.56	1.87	2.29	0.24	0.70					2.42
RMSE	5,277,357	3,656,339	3,146,095	1,028,969	2,296,240	3,472,895	1,013,425	2,408,016	1,228,706	4,273,748	5,300,538	608,709	1,838,340					4,900,383
Fifteen year horizon																		
ME	(4,262,267)	(2,794,844)	1,968,333	3,955,400	5,366,153	1,665,598	3,747,046	(375,240)	(4,227,848)	(5,548,590)	(1,310,154)							2,485,715
MPE (%)	(2.27)	(1.48)	0.94	1.84	2.43	0.72	1.61	(0.19)	(1.82)	(2.34)	(0.50)							1.13
MAPE (%)	2.27	1.48	1.27	1.84	2.43	0.78	1.73	0.54	1.82	2.34	0.56							2.96
MdAPE (%)	2.57	1.57	0.44	1.30	2.07	0.62	1.44	0.58	1.79	2.38	0.13							2.83
RMSPE (%)	2.45	1.57	1.80	2.41	3.01	1.06	2.23	0.58	1.84	2.36	0.83							3.35
RMSE	4,660,989	2,969,778	3,702,819	5,242,754	6,743,310	2,453,023	5,212,838	1,322,853	4,282,265	5,607,485	2,194,717							7,670,206
Twenty year horizon																		
ME	(4,721,050)		5,105,900	6,683,213	8,626,396	3,356,864	6,250,390	348,874	(4,763,038)	(6,554,870)								6,296,665
MPE (%)	(2.44)		2.38	2.99	3.77	1.41	2.61	0.11	(1.99)	(2.67)								2.71
MAPE (%)	2.44		2.63	3.00	3.77	1.45	2.70	0.66	1.99	2.67								4.75
MdAPE (%)	2.85		1.49	2.41	3.38	0.93	2.25	0.62	1.95	2.46								4.14
RMSPE (%)	2.58		3.75	3.87	4.71	1.97	3.41	0.72	2.03	2.75								5.54
RMSE	5,060,642		8,070,557	8,777,442	10,977,023	4,761,589	8,252,013	1,710,431	4,917,348	6,840,970								13,164,322

Note: Negative values are denoted in parenthesis.

Source: Population Projections Program, Population Division, US Census Bureau: May 2000

Internet Release Date: November 6, 2002